



AdapTec User Manual



ADAPTEC



AdapTec is a combination of a power supply and a door controller packaged in a compact box to ease on installation, to provide power supply and to enhance access control functionalities.

The Specifications

Dimension (mm)	198 (L) x 131 (W) x 43 (H)
Weight	920g
Input Voltage	AC 110 / 240 V (universal input)
Output Voltage	DC 12V 3A
EM Output	DC 12V 3A
Siren Output	Max 0.5A, NC type

The Functions

1	To power on the time attendance system of FingerTec® readers.
2	To link door accessories including EM Lock and Drop Bolt with the FingerTec® reader.
3	To control In-Out reader system; a system where two readers control one entrance.
4	To support rechargeable backup battery (compatible with any 12V rechargeable backup battery) and to act as a backup power supply in the event of power failure.
5	To integrate with siren feature of the reader to alert user when reader is illegally dismantled.

Note: AdapTec is compatible with NC type of siren with maximum 0.5A load.

The Design



AdapTec consists of 2 main modules and a timer:

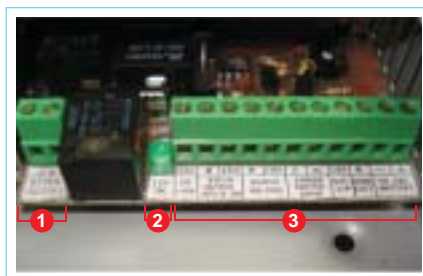
1. Power supply/power input module
2. Access control/power output module
3. Door lock timer

Power Supply/Power Input Module



1. This portion is to be connected to power source with AC 110/240V. AC current will be supplied into this side and a DC 12V 2A current will be generated as output.
2. These two cables, -V and +V are default and connected to the inner part of AdapTec. Please do not remove or change these cables.

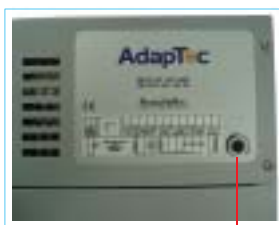
Access Control/Power Output Module



1. This is connected to push button if siren is installed during installation. A press on the push button will turn off siren when the siren is triggered.
2. The LED is an indicator to show that the output is available. Please return the unit if the LED does not light up after the reader is switched on.
3. These are the power outputs from AdapTec. FingerTec® readers and door accessories will need these outputs. Refer to the wiring diagram for more details.

Door Lock Timer

This is AdapTec's door lock timer. User can adjust the timing for the EM Lock or Drop Bolt to close after opening. User can turn the timer by using a screwdriver. The time will be lengthened when it is turned clockwise. The time will be shortened when it is turned anti-clockwise.



This is a door lock timer of AdapTec. User could adjust the timing for the EM Lock or Drop Bolt to close after opening.

- ↻ Lengthen timing
- ↺ Shorten timing

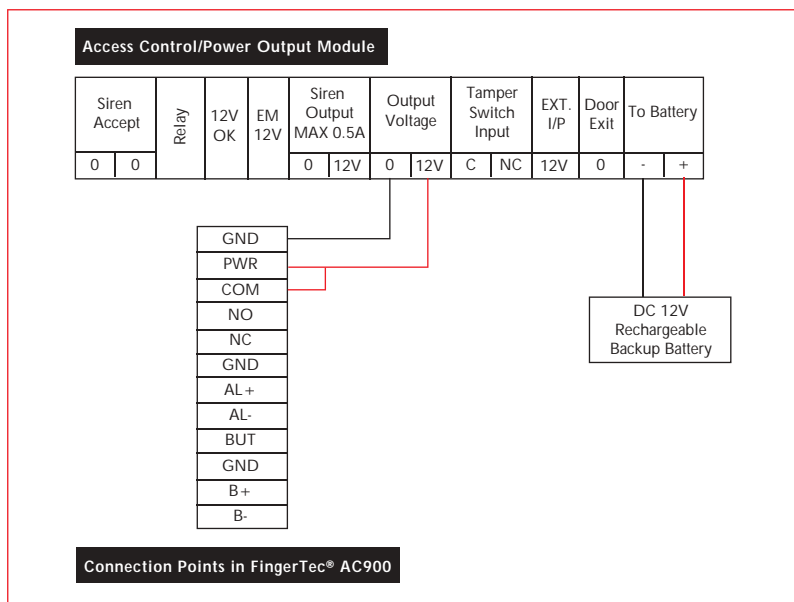
Note: AdapTec can be connected to other devices, which are having the same power consumption. Please seek FingerTec®'s advice through info@fingertec.com before using AdapTec with other FingerTec® models.



Function: Time Attendance Only

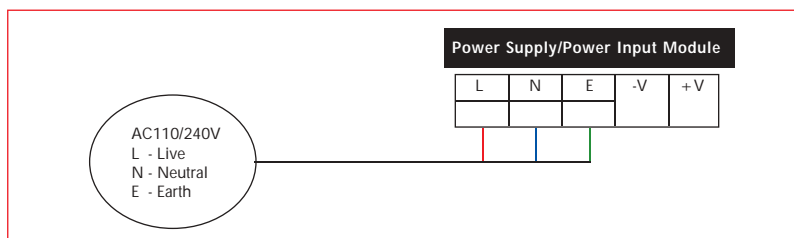
Step 1

Connect AdapTec to FingerTec® AC900



Step 2

Connect AdapTec to a power source



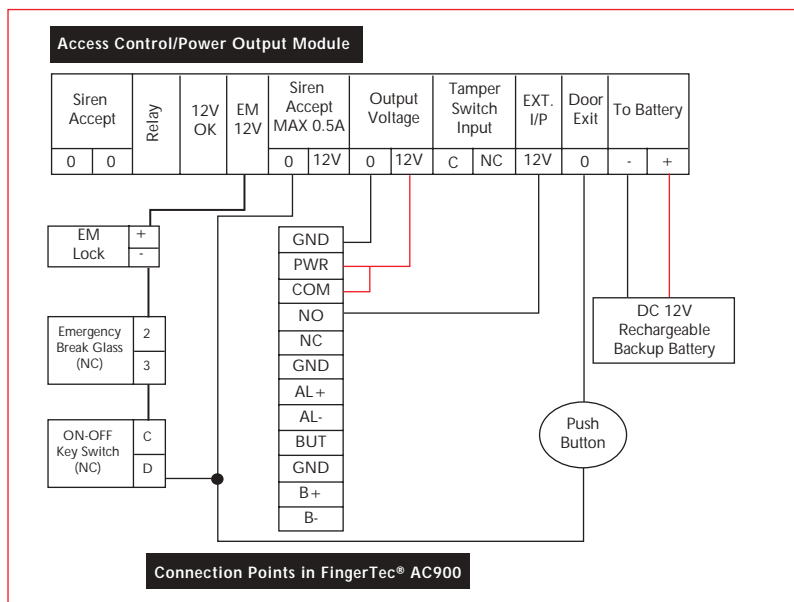
Now you can turn on the power source and using the system for time attendance purpose only.



Function: Access Control Only or Time Attendance & Door Access

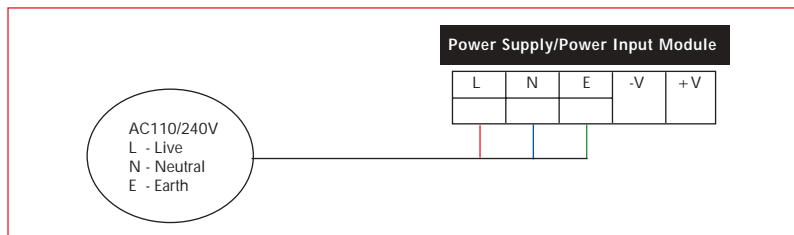
Step 1

Connect AdapTec to FingerTec® AC900



Step 2

Connect AdapTec to a power source



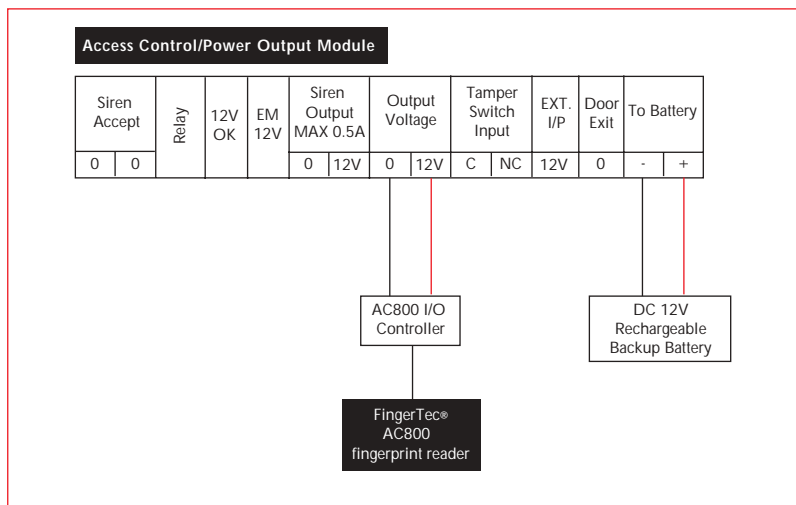
Now you can turn on the power source and start to use FingerTec® AC900 for door access control or Access Control Only/Time Attendance & Door Access functions.



Function: Time Attendance Only

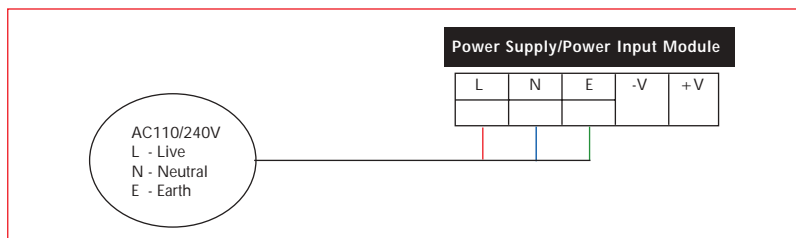
Step 1

Connect AdapTec to FingerTec® AC800



Step 2

Connect AdapTec to a power source



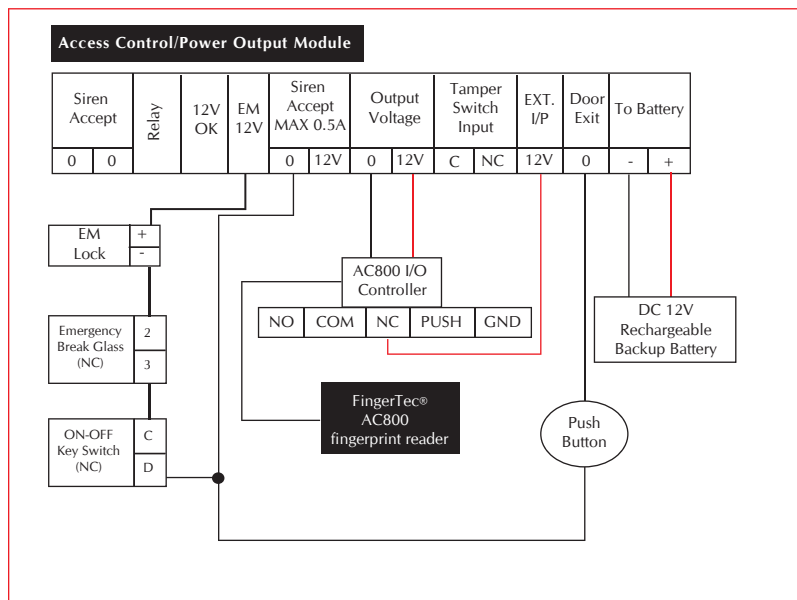
Now you can turn on the power source and using the system for time attendance purpose only.



Function: Access Control Only or Time Attendance & Door Access

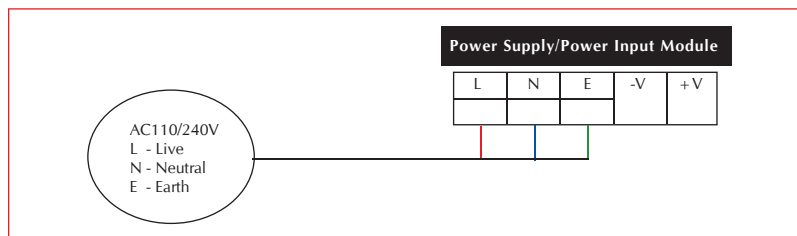
Step 1

Connect AdapTec to FingerTec® AC800



Step 2

Connect AdapTec to a power source



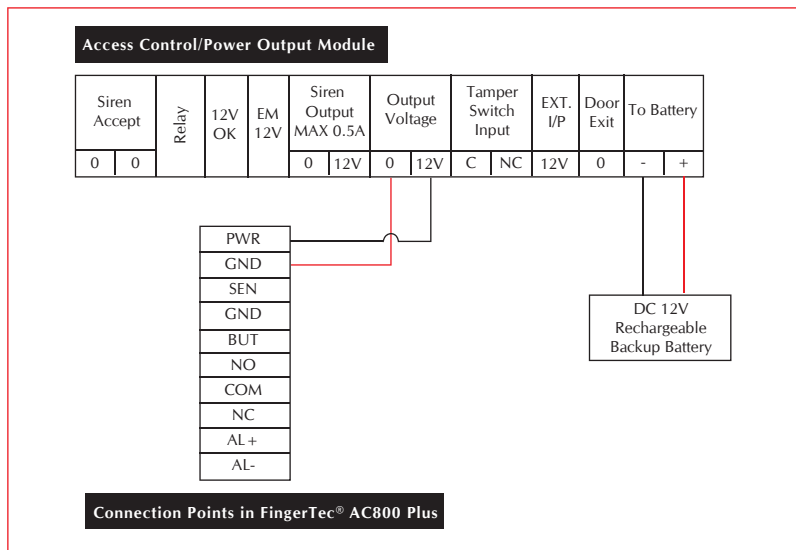
Now you can turn on the power source and start to use FingerTec® AC800 for door access control or Access Control Only/Time Attendance & Door Access functions.



Function: Time Attendance Only

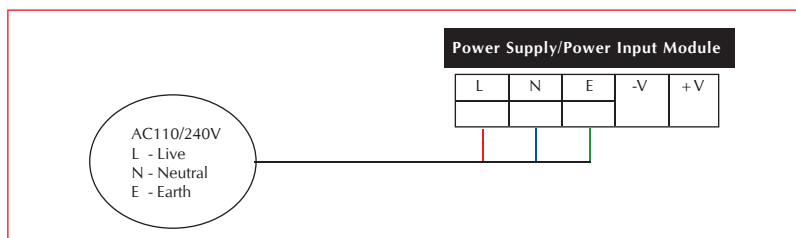
Step 1

Connect AdapTec to FingerTec® AC800 Plus & AC800 Plus MC



Step 2

Connect AdapTec to a power source



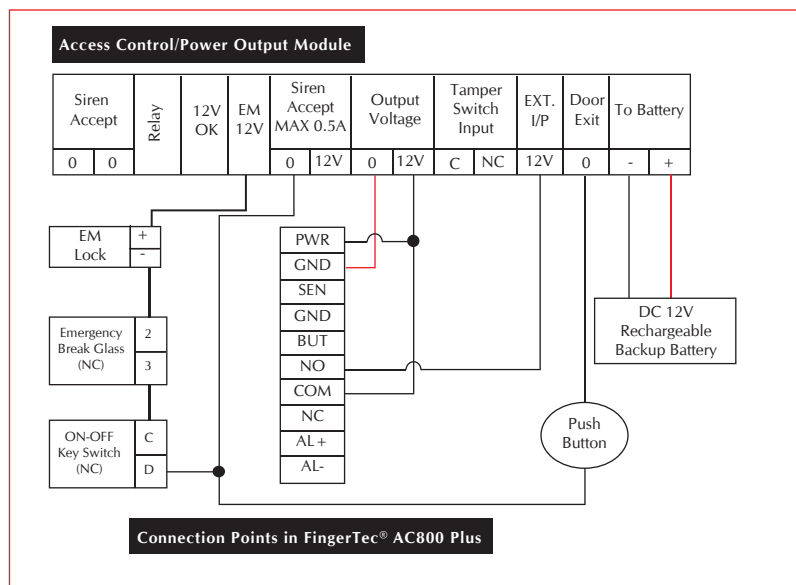
Now you can turn on the power source and using the system for time attendance purpose only.



Function: Access Control Only or Time Attendance & Door Access

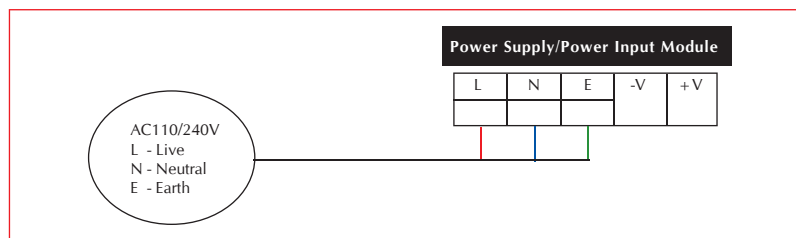
Step 1

Connect AdapTec to FingerTec® AC800 Plus & AC800 Plus MC



Step 2

Connect AdapTec to a power source



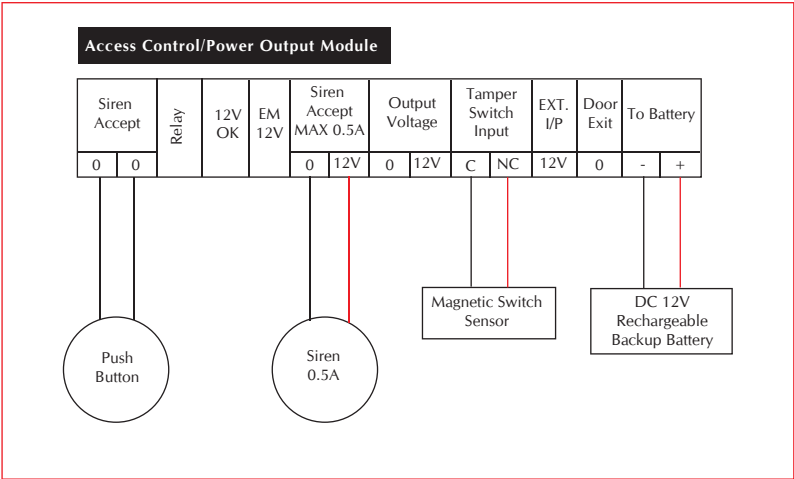
Now you can turn on the power source and start to use FingerTec® AC800 Plus or AC800 Plus MC for door access control or Access Control Only/Time Attendance & Door Access functions.

Function: Siren

AdapTec is equipped with siren function, a NC (normally close) type siren. To use this function you need to connect a sensor from FingerTec® reader to AdapTec.

Locate a sensor inside the FingerTec® reader and the other piece on the back plate. Both sensors must be close to each other. Siren will trigger if the sensor is apart from one another. If the FingerTec® reader is dismantled, the AdapTec will trigger the alarm.

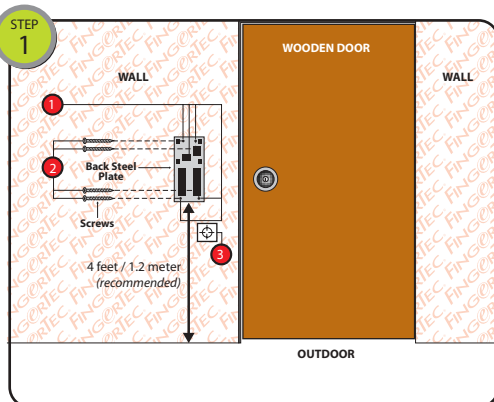
Please press the Siren Accept button to turn off the siren. Find the details as below:



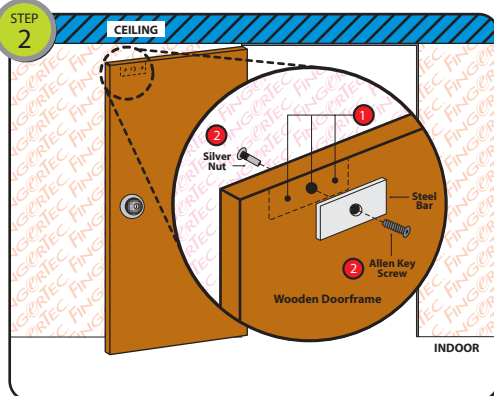
12 Installation Guide

AC900/AC800/AC800 Plus Series on Wooden Door

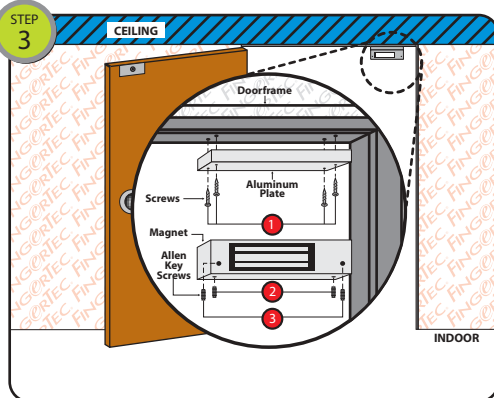
(The door accessories mentioned in this chapter are not included in the FingerTec® AC900/AC800/AC800 Plus package. Please consult your vendor or you can source for these items from your local market.)



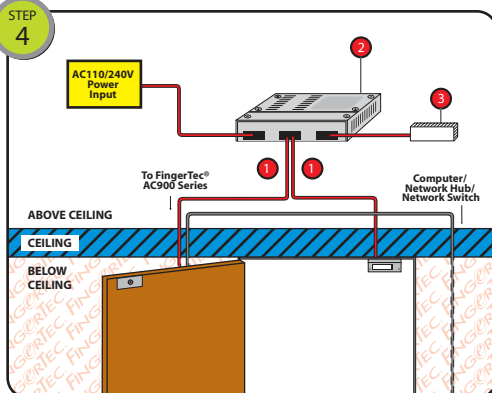
- ① To install FingerTec® AC900/AC800/AC800 Plus on the wall, drill 5 holes as shown. 4 small holes are for screws and the bigger hole is for the network cable.
- ② Tighten the 4 screws to fix the **Back Plate** on the wall.
- ③ Install the keyswitch as per instructions given in the box. The keyswitch is an override key in case of system failure or breakdown.



- ① Drill 3 holes on the wooden door.
- ② Place **Steel Bar** on the door. Insert the Silver Nut on one side and **Allen Key Screw** on the other side. Tighten the screw to lock the **Steel Bar** onto its position.



- ① Drill 4 holes on the wooden frame. Tighten the 4 screws to fix the **Aluminum Plate** properly on the doorframe.
- ② Use Allen Key to tighten the 2 screws at the bottom of the **Magnet**. The **Magnet** will stick to the **Aluminum Plate** when the screws are tightened up.
- ③ Use Allen Key to tighten the other 2 screws on the sides of the **Magnet**.

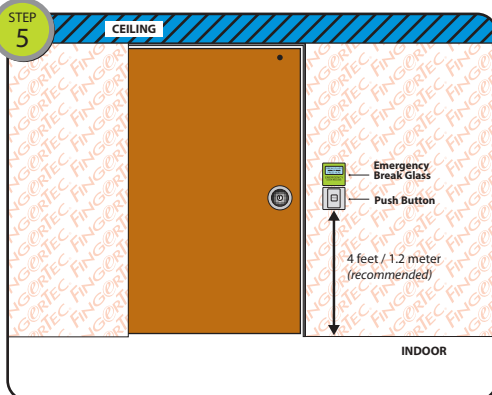
STEP
4

① 12V 3A DC Power Output

② AdapTec
(Note: Refer to page 5-11 for wiring diagrams.)

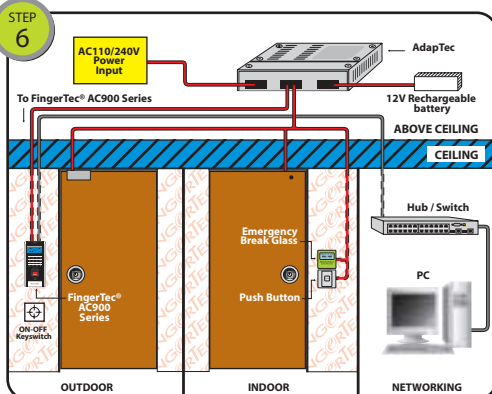
③ 12V Rechargeable Battery

Note: It is recommended to place ①, ② and ③ out of sight, either above the ceiling or wall-mounted.

STEP
5

Emergency Break Glass and **Push Button** should be installed indoor. These two items are for user to open the door from the inside.

Note: Please conceal the wiring.

STEP
6

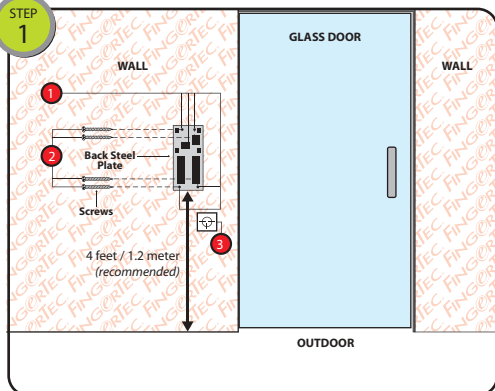
**OVERVIEW OF THE WHOLE
SYSTEM INSTALLATION**

14 Installation Guide

AC900/AC800/AC800 Plus Series on Glass Door

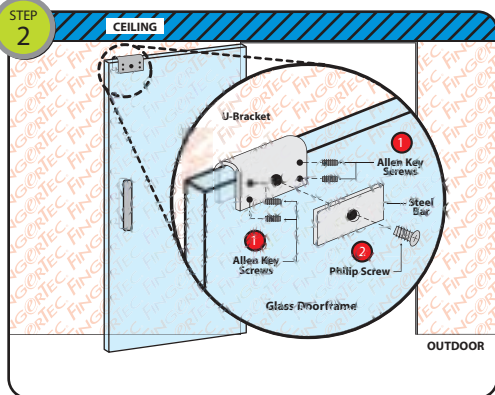
(The door accessories mentioned in this chapter are not included in the FingerTec® AC900/AC800/AC800 Plus package. Please consult your vendor or you can source for these items from your local market.)

STEP
1



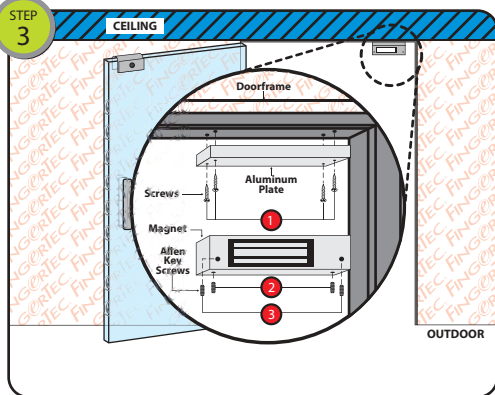
- ① To install FingerTec® AC900/AC800/AC800 Plus on the wall, drill 5 holes as shown. 4 small holes are for screws and the bigger hole is for the network cable.
- ② Tighten the 4 screws to fix the **Back Plate** on the wall.
- ③ Install the keyswitch as per instructions given in the box. The keyswitch is an override key in case of system failure or breakdown.

STEP
2

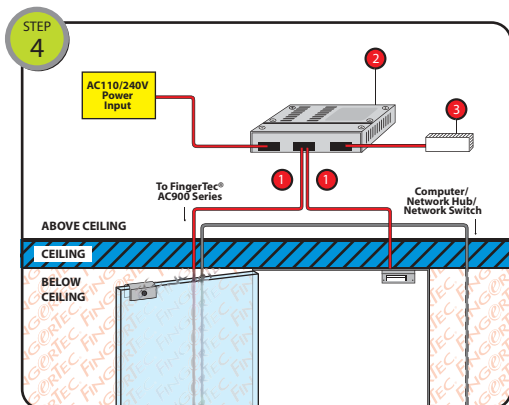


- ① Lodge the **U-Bracket** into the upper edge of the glass doorframe. Tighten the 4 **Allen Screws** to hold the **U-Bracket** into position.
- ② Place the **Steel Bar** on the side of the **U-Bracket**. Tighten the **Philip Screw** to lock the **Steel Bar** onto position.

STEP
3

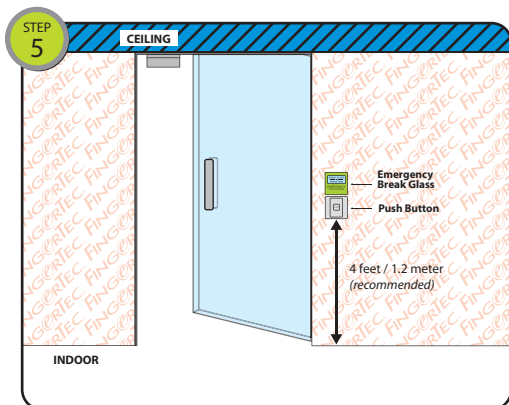


- ① Drill 4 holes on the doorframe. Tighten the 4 screws to fix the **Aluminum Plate** properly on the doorframe.
- ② Use Allen Key to tighten the 2 screws at the bottom of the **Magnet**. The **Magnet** will stick to the **Aluminum Plate** when the screws are tightened up.
- ③ Use Allen Key to tighten the other 2 screws on the sides of the Magnet.



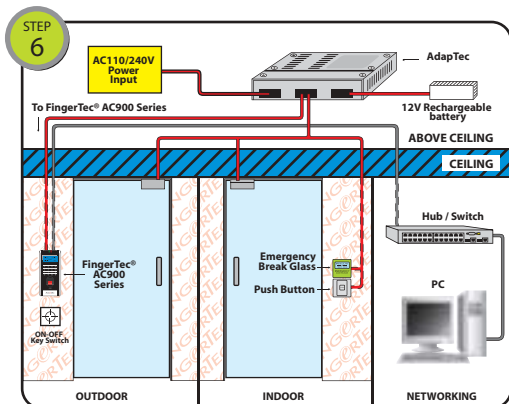
- ① 12V 3A DC Power Output
- ② AdapTec
(Note: Refer to page 5-11 for wiring diagrams.)
- ③ 12V Rechargeable Battery

Note: It is recommended to place ①, ② and ③ out of sight, either above the ceiling or wall-mounted.



Emergency Break Glass and Push Button should be installed indoor. These two items are for user to open the door from the inside.

Note: Please conceal the wiring.



OVERVIEW OF THE WHOLE SYSTEM INSTALLATION

Instructions on how to mount an AdapTec onto a wall

STEP
1

Remove the L-shape piece from the AdapTec



Find an L-shape piece at the top right of an AdapTec. This piece is attached to the AdapTec by 2 screws.



After removing the piece, you will have one L-shape piece and 2 screws.

STEP
2

Install the piece to the AdapTec



Attach the L-shape to the AdapTec as shown and tighten the screws.

STEP
3

The other 2 holes at the bottom



Open the cap, look for the part shown in the diagram and you will see 2 holes.

STEP
4

Mount the AdapTec on a wall



Identify a location to mount the AdapTec on a wall.
Fix the AdapTec onto the wall by tightening the screws into the 4 holes.